CONTACT LENS AND STORAGE MEDIUM

TECHNICAL FIELD

[0001] The present disclosure relates to a contact lens and a storage medium.

BACKGROUND ART

[0002] In recent years, contact lenses that are directly worn on eyeballs are practically used as visual sensation correction devices. Further, contact lenses are used not only for correcting visual sensation but also for changing appearance of eyes, and, in this case, lenses are colored.

[0003] Many colored contact lenses (color contact lens) have been used in recent years, and, usually, a user actually tries on a color contact lens to check appearance of his/her eye and determines which color of a lens suits the user. Herein, the following Patent Literature 1 discloses a system that simulates appearance of a user wearing a color contact lens and presents the simulated appearance in order to reduce economic and material waste of contact lenses for trial fitting.

[0004] Further, recently, the following Patent Literature 2 has disclosed an image display device using contact lenses. Patent Literature 2 proposes a thin image display device in which a display unit and a lens array unit are integrally provided on a curved surface, the thin image display device being shaped to be fully wearable on an eye such as a contact lens.

CITATION LIST

Patent Literature

[0005] Patent Literature 1: JP2010-211210A

[0006] Patent Literature 2: JP2006-292883A

SUMMARY OF INVENTION

Technical Problem

[0007] However, Patent Literatures 1 and 2 do not mention a configuration in which a contact lens has an image pickup function.

[0008] In view of this, the present disclosure provides a contact lens and a storage medium, each of which is new and improved and is capable of controlling an image pickup unit provided in the contact lens.

Solution to Problem

[0009] According to the present disclosure, there is provided a contact lens including: a lens unit configured to be worn on an eyeball; an image pickup unit configured to capture an image of a subject, the image pickup unit being provided in the lens unit; and an image pickup control unit configured to control the image pickup unit.

[0010] According to the present disclosure, there is provided a storage medium having a program stored therein, the program causing a computer to function as: an image pickup unit configured to capture an image of a subject, the image pickup unit being provided in a lens unit of a contact lens configured to be worn on an eyeball; and an image pickup control unit configured to control the image pickup unit.

Advantageous Effects of Invention

[0011] As described above, according to the present disclosure, it is possible to control an image pickup unit provided in a contact lens.

BRIEF DESCRIPTION OF DRAWINGS

[0012] FIG. **1** is a planar view illustrating an example of an appearance configuration of a contact lens according to an embodiment of the present disclosure.

[0013] FIG. **2** illustrates a display unit according to this embodiment.

[0014] FIG. **3** is block diagram showing an example of a functional configuration of a contact lens according to this embodiment.

[0015] FIG. **4** is a flowchart showing processing of first image pickup control according to this embodiment.

[0016] FIG. **5** is a flowchart showing processing of second image pickup control according to this embodiment.

[0017] FIG. **6** is a flowchart showing processing of first image pickup/display control according to this embodiment.

[0018] FIG. **7** is a flowchart showing processing of second image pickup/display control according to this embodiment.

[0019] FIG. **8** is a flowchart showing processing of third image pickup/display control according to this embodiment.

DESCRIPTION OF EMBODIMENTS

[0020] Hereinafter, (a) preferred embodiment(s) of the present disclosure will be described in detail with reference to the appended drawings. Note that, in this specification and the appended drawings, structural elements that have substantially the same function and structure are denoted with the same reference numerals, and repeated explanation of these structural elements is omitted.

[0021] Further, description will be provided in the following order.

1. OUTLINE OF CONTACT LENS ACCORDING TO EMBODIMENT OF PRESENT DISCLOSURE

[0032] An outline of a contact lens **1** according to an embodiment of the present disclosure will be described. The contact lens **1** according to this embodiment includes a lens unit **10** (see FIG. **1**) having a curved-surface shape and can be fully worn on an eye (eyeball) and be removed therefrom. A circuit unit **20** (see FIG. **1**) and a display unit **26** (see FIG. **2**) are provided in the lens unit **10**. A smooth portion made of transparent synthetic resin or the like is formed on an external side of the circuit unit **20** and the display unit **26** provided in the lens unit **10** (opposite direction of an eyeball contact surface of the lens unit **10**). With this, when the user wears the contact lens **1** on his/her eye, an eyelid of the user can be smoothly moved thereon.